## (19) World Intellectual Property Organization

International Bureau



## - | 4404 | 1240 | 17 | 1040 | 1040 | 1040 | 1040 | 1040 | 1040 | 1040 | 1040 | 1040 | 1040 | 1040 | 1040 | 1040

(43) International Publication Date 3 February 2005 (03.02.2005)

PCT

## (10) International Publication Number WO 2005/009540 A1

(51) International Patent Classification<sup>7</sup>: 9/10, A61K 31/683

A61P 25/00,

(21) International Application Number:

PCT/US2004/023509

(22) International Filing Date:

20 July 2004 (20.07.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/489,198 60/527,056 21 July 2003 (21.07.2003) US 3 December 2003 (03.12.2003) US

(71) Applicant (for all designated States except US): VASO-

- (71) Applicant (for all designated States except US): VASO-GEN IRELAND LIMITED [IE/IE]; Shannon Airport House, Shannon, Co., Clare (IE).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): PALMER, Charles [ZA/US]; 660 Appenzell Drive, Hummelstown, PA 17036 (US).
- (74) Agent: SWISS, Gerald F.; FOLEY & LARDNER LLP, Three Palo Alto Square, 3000 El Camino Real, Suite 100, Palo Alto, CA 94306-2121 (US).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PERINATAL HYPOXIC-ISCHEMIC BRAIN DAMAGE TREATMENT

(57) Abstract: Perinatal hypoxic-ischemic brain damage is alleviated by administration to a newborn mammalian patient, or to the mother prior to delivery, of a composition of matter comprising pharmaceutically acceptable bodies such as liposomes, carrying phosphate-glycerol surface groups.